




BUDGET MEMO # 6

DATE: March 20, 2013

TO: The Honorable Mayor and Members of the City Council

FROM: David Summers, Director of Public Works

THROUGH: Robert Sisson, City Manager 

SUBJECT: Battery Back-Up Locations and Schedule

Factors determining Battery Back-Up locations include Police Department recommendations, intersection complexity, traffic volumes, intersection sight limitations, and frequency of power interruptions.

With the anticipated completion of the second large group this Summer, the City will have battery backups at all of the major intersections including all of those identified as critical in the Northern Virginia regional evacuation planning. The City of Fairfax will be the first Northern Virginia jurisdiction to accomplish this milestone.

The battery backup systems will have maintenance costs estimated at **\$250 each** per year, once the battery is approximately 3 years old. Hopefully, as battery technology improves, these maintenance costs will decrease.

Below is the listing of the existing battery backup locations, the locations to be added this year, and the overall plan going forward:

Fairfax City Signals - Battery Backup Locations

Initial Testing Locations Installed 2009-2011 (3)

- Fairfax Circle
- Main St & Pickett Rd
- Main St & Judicial Dr

Added Dec 2012 through CIP/Cost-Sharing Project (16)

- Kamp Washington (Main St & Fairfax Blvd)
- Fairfax Blvd & Jermantown Rd

- Lee Hwy (29) & Jermantown Rd
- Fairfax Blvd & Chain Bridge Rd (123)
- Fairfax Blvd & Pickett Rd
- Fairfax Blvd & Warwick Ave
- Chain Bridge Rd (123) & Eaton Place
- University Dr & Armstrong St
- Fairfax Blvd & Plantation Pkwy
- Fairfax Blvd & Rebel Run
- Pickett Rd & Mathy Dr
- Pickett Rd & Colonial Ave
- Pickett Rd & Old Pickett Rd
- Pickett Rd & Turnpike SC
- Chain Bridge Rd (123) & Armstrong St
- Old Lee Hwy & Layton Hall Rd

To Be Added Mid 2013 through CIP/Cost-Sharing Project (Bids Due 4/12/13) (14)

- North St & Old Lee Hwy
- Main St & East St
- Main St & University Dr
- North St & University Dr
- North St & Chain Bridge Rd (123)
- Main St & Chain Bridge Rd (123)
- Main St & North St/West St
- University Dr & Sager Ave
- Chain Bridge Rd (123) & Judicial Dr
- Fairfax Blvd & Oak St/Meridith Dr
- Fairfax Blvd & Stafford Dr
- Main St & Whitacre Rd
- Main St & Burke Station Rd
- Main St & Tedrich Blvd

To Be Added in Incident Management Corridor Project (Bids Mid 2013) (3)

- Fairfax Blvd & Draper Dr (as part of refurbish)
- Fairfax Blvd & Eaton Place
- Fairfax Blvd & University Dr

Planned CIP 2014 (10)

- Main St & Roberts Rd
- Main St & Fair City Mall

- Main St & Oak St
- Main St & Woodland Dr
- Main St & Maple St
- Fairfax Blvd & Fairchester Dr
- Fairfax Blvd & Paul VI
- Fairfax Blvd & Bevan Dr
- Chain Bridge Rd (123) & West Dr
- Chain Bridge Rd (123) & School St

Planned CIP 2015 or Later (12)

- Lee Hwy (29) & CVS
- Main St & Chestnut St
- Fairfax Blvd & Blvd Marketplace
- Pickett Rd & Barristers Keepe
- Old Lee Hwy & Old Pickett Rd
- Old Lee Hwy & Fairfax Commons
- Main St & Main Street Marketplace
- University Dr & Whitehead Dr
- University Dr & Fire Station 3
- Jermantown Dr & James Swart Circle
- Jermantown Dr & Giant
- Jermantown Dr & Orchard St

VDOT Signals – Requesting VDOT to install (3)

- Rte 50 & Waples Mill Rd (Project started by VDOT)
- Rte 29 & Shirley Gate Rd (Part of planned improvement project 2014)
- Rte 29 & Blake Ln